

TITLE OF THE INVENTION

METHOD AND APPARATUS FOR
PREDICTIVE ALTITUDE DISPLAY

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CROSS-REFERENCE TO RELATED APPLICATIONS

This is a continuation-in-part of U.S. Provisional Patent Application Serial No. 60/239,319 filed October 10, 10 2000, entitled "TERRAIN AWARENESS AND WARNING SYSTEM (TAWS) for Aircraft," which is incorporated herein by reference in its entirety.

FIELD OF THE INVENTION

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The present invention relates to avionics, and more particularly to altitude displays and terrain awareness warning systems.

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BACKGROUND OF THE INVENTION

A conventional altitude display for a terrain awareness warning system (TAWS) for a given aircraft provides a pilot with a visual display of the terrain having an altitude higher than the aircraft, as well as the terrain within some distance, usually 2000', below an aircraft.

Referring to prior art FIG. 1, an environment is shown in which a conventional altitude display could be important. In situation I, an aircraft 12 is flying at an altitude X along a direction vector 16. In situation II,